

2. Method according to claim 1 wherein the aluminium based medium is alumina (Al_2O_3).
3. Method according to claim 1 or 2 wherein the surface density of Al-OH groups occurs at an average rate of greater than about 1 hydroxyl group per 10nm^2 of surface area.
4. Method according to claim 3 wherein the surface density of Al-OH groups occurs at an average rate of greater than about 1 hydroxyl group per 2nm^2 , preferably greater than about 1 hydroxyl group per nm^2 .
5. Method according to claim 4 wherein the surface density of Al-OH groups occurs at an average rate of about 1 hydroxyl group per 0.25nm^2 to about 1 hydroxyl group per 0.18nm^2 .
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6. A method according to claim 1 or 2 wherein the biological species is one or more selected from Cryptosporidium, Giardia or Escheria Coli. *P4, L22*
7. Method according to claim 6 wherein the biological species is Cryptosporidium.
8. Method of claim 1 or 2 wherein the alumina is in particulate form.
9. Method according to claim 8 wherein the particulate alumina has a diameter in the range of about $15\mu\text{m}$ to about $0.05\mu\text{m}$.
10. Method according to claim 9 wherein the particulate alumina has a diameter in the range of about $1.5\mu\text{m}$ to about $0.05\mu\text{m}$.